

# **Association of Cigarette Smoking with the Relapse of Anti-neutrophil Cytoplasmic Antibody Associated Vasculitis: a survival analysis.**

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University of Dublin, Trinity College, 2022

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Anti-neutrophil cytoplasmic antibodies (ANCA)-associated vasculitis (AAVs) is a group of diseases involving severe, systemic, small-vessel vasculitis. The disease itself is extremely dangerous and is associated with a high rate of recurrence. This paper therefore examines the available research on ANCA-AVV recurrence and identifies smoking as a potential influence on ANCA-AVV recurrence. This paper examines whether smoking affects relapse through survival analysis including Kaplan-Meier curve, cox regression, accelerated failure time model. It was concluded that smoking was a significant factor in the relapse of ANCA-AVV patients.